AMENDMENT TO AIR QUALITY PERMIT

Permit Amendment No. **Effective Date of Amendment**
3295-163-0035-P-01-1

In accordance with The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Rules, Chapter 391-3-1, adopted pursuant to or in effect under that Act, Permit No. 3295-163-0035-P-01-0 issued on January 27, 2012 to:

Facility Name: **PyraMax Ceramics, LLC – King's Mill Facility**

Mailing Address: 161 Britt Waters Road, N.W.
Milledgeville, Georgia 31061

Facility Location: County Road 291
Wrens, Georgia 30833 (Jefferson County)

for the following: construction and operation of a ceramic proppant manufacturing facility

is hereby amended as follows: construction and operation of two additional process lines (Line 3 and Line 4).

Reason for Amendment: Application No. 21371 dated August 17, 2012

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **12** page(s).

This Permit Amendment is effective from the date first above written and is hereby made a part of Permit No. 3295-163-0035-P-01-0 and compliance herewith is hereby ordered. Except as amended hereby, the above referenced Permit remains in full force and effect.

Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.2 Process Description of Modification

1.2.1 The facility is currently permitted for the construction two identical process/kiln lines (Line 1 and Line 2) which can be operated independently. This is a modification for an additional two process/kiln lines (Line 3 and Line 4) which can be operated independently. The manufacturing processes along the process/kiln lines (Line 3 and Line 4) are the same as Line 1 and Line 2. The manufacturing process is the same as described in Permit No. 3295-163-0035P-01-0 except for the following:

Calcining/Sintering
The capacity of the kiln burner is 65 MMBtu/hr and can heat the calciner/kiln up to 3,000°F.

Supporting Operations
The proposed ceramic proppant manufacturing facility will have the following supporting operations/equipment:

- On-site research and development and QA/QC labs;
- Four (4) 30,000 gallon propane storage tanks providing backup fuel for all natural gas fired units;
- One (1) diesel engine powered emergency generator
- One (1) 322 gallon storage tanks for the emergency engines;
- One (1) 15,000 gallon diesel fuel storage tank for facility equipment;
- One (1) 33,000 gallon aqueous ammonia storage tanks for process pH control and control device operation.

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY

2.1 Facility Wide General Requirements

2.1.10 Approval to construct this ceramic proppant manufacturing facility shall become invalid for any of the following reasons:

a. The construction is not commenced within 18 months after issuance of this permit;

b. The construction is discontinued for a period of 18 months or more; or

c. The construction is not completed within a reasonable time.

The Division may extend the 18-month period upon a satisfactory showing that an extension is justified. For purposes of this permit, the definition of "commence" is given in 40 CFR 52.21(b)(9).
[40 CFR 52.21(r)]

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

3.1.1 Amended Emission Unit & Emission Group Listing

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/ Standards**	**Corresponding Permit Conditions**	**Description**	**ID No.**
PS3,4	Slurry preparation – Line 3 Slurry Preparation – Line 4	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b)	3.3.4, 3.3.5, 3.3.12, 4.2.5, 5.2.4, 6.2.13	Baghouses	PS 3,4
PEL3, SC3 PEL4, SC4	Spray Dryer/Pelletizer – Line 3 (Pelletizer, Screw Conveyor) Spray Dryer/Pelletizer – Line 3 (Pelletizer, Screw Conveyor)	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart UUU 40 CFR 52.21 – PSD/BACT 112(g) case-by-case MACT/40 CFR 63, Subpart B	3.3.1, 3.3.2, 3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.8, 3.3.12, 3.3.18, 3.3.19, 4.2.1, 4.2.5, 4.2.6, 4.2.9, 5.2.1, 5.2.2, 5.2.4, 5.2.7, 5.2.10, 6.1.7, 6.2.1, 6.2.3, 6.2.4, 6.2.5, 6.2.6, 6.2.8, 6.2.13, 6.2.20	Baghouses	BHP3,4
GPS3,4 RB3,4 KE3, 4 VC3,4 BC3,4 SC5,6 FH3,4 SE3,4	Green Pellet Screen Reversing Belt Conveyor Kiln Feed Elevator Vibratory Conveyor Belt Conveyor Screw Conveyor Feed Hopper Seed Bin Elevator	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart OOO 40 CFR 52.21 – PSD/BACT	3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.12, 4.2.5, 5.2.3, 5.2.4, 5.2.7, 6.1.7, 6.2.1, 6.2.7, 6.2.8, 6.2.13	Baghouses	BHG3,4
FS30,40	Final Product Screen	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart OOO 40 CFR 52.21 – PSD/BACT	3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.12, 4.2.5, 5.2.3, 5.2.4, 5.2.7, 6.1.7, 6.2.1, 6.2.7, 6.2.8, 6.2.13	Baghouses	BHF3,4
KLN3	Calciner/Kiln Line 3 (Kiln, Kiln Cooler)	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart UUU 40 CFR 52.21 – PSD/BACT 112(g) case-by-case MACT/40 CFR 63, Subpart B	3.3.1, 3.3.2, 3.3.4, 3.3.5, 3.3.6, 3.3.8, 3.3.12, 3.3.13, 3.3.14, 3.3.15, 3.3.18, 3.3.19, 4.2.1, 4.2.2, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.11, 4.2.12, 5.2.1, 5.2.2, 5.2.4, 5.2.8, 5.2.9, 5.2.10, 6.1.7, 6.2.1, 6.2.3, 6.2.13, 6.2.14, 6.2.15, 6.2.16, 6.2.17, 6.2.18, 6.2.20	Catalytic Baghouse	BHK3

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/ Standards**	**Corresponding Permit Conditions**	**Description**	**ID No.**
KLN4	Calciner/Kiln – Line 4 (Kiln, Kiln Cooler)	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart UUU 40 CFR 52.21 – PSD/BACT 112(g) case-by-case MACT/40 CFR 63, Subpart B	3.3.1, 3.3.2, 3.3.4, 3.3.5, 3.3.6, 3.3.8, 3.3.12, 3.3.13, 3.3.14, 3.3.15, 3.3.18, 3.3.19, 4.2.1, 4.2.2, 4.2.6, 4.2.7, 4.2.8, 4.2.9, 4.2.10, 4.2.11, 4.2.12, 5.2.1, 5.2.2, 5.2.4, 5.2.8, 5.2.9, 5.2.10, 6.1.7, 6.2.1, 6.2.3, 6.2.13, 6.2.14, 6.2.15, 6.2.16, 6.2.17, 6.2.18, 6.2.20	Catalytic Baghouse	BHK4
BC3,4 LE3,4 WB3,4 LS3,4	Belt Conveyor Loading Elevator Weigh Bin Loading Spout	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart OOO 40 CFR 52.21 – PSD/BACT	3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.12, 4.2.5, 5.2.3, 5.2.4, 5.2.7, 6.1.7, 6.2.1, 6.2.7, 6.2.8, 6.2.13	Baghouse	BHL3,4
S3a S4a	Control System –Line 3,4 Sodium Bicarbonate Silo	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart OOO 40 CFR 52.21 – PSD/BACT	3.3.6, 3.3.7, 3.3.12, 4.2.5, 5.2.7, 6.2.1, 6.2.2, 6.1.7, 6.2.7, 6.2.8, 6.2.13	Bin Vent Filter	S3a,S4a
CB	Conveyor Baghouse	391-3-1-.02(2)(p)1 391-3-1-.02(2)(b) 391-3-1-.02(2)(n) 40 CFR Part 60, Subpart OOO 40 CFR 52.21 – PSD/BACT	3.3.4, 3.3.5, 3.3.6, 3.3.7, 3.3.12, 4.2.5, 5.2.3, 5.2.4, 5.2.7, 6.1.7, 6.2.1, 6.2.7, 6.2.8, 6.2.13	Baghouse	CB
EG2	Emergency Generator 2	40 CFR 52.21 – PSD/BACT 40 CFR Part 63, Subpart ZZZZ 40 CFR Part 60, Subpart IIII	3.3.9, 3.3.10, 3.3.11, 3.3.12, 3.3.16, 3.3.17, 3.3.20, 3.3.21, 5.2.6, 5.2.10, 6.1.7, 6.2.9, 6.2.10, 6.2.11, 6.2.12, 6.2.13, 6.2.20	None	None

* Only source-specific conditions are listed for reference. Generally applicable requirements/conditions contained in this permit may also apply to emission units listed above.

3.3 Equipment Federal Rule Standards

NSPS Requirements

3.3.9 The Permittee shall comply with all the applicable provisions of 40 CFR, Part 60, Subpart IIII, *"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"*. In particular, the Permittee shall limit the accumulated maintenance check and readiness testing time for each emergency stationary diesel generator to 100 hours per year. The Permittee may petition the Division for approval of additional hours for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of the emergency stationary diesel generators beyond 100 hours per year. Any operation other than emergency power generation, and maintenance check and readiness testing is prohibited.

[40 CFR 60.4211(e)]

3.3.10 Each emergency stationary diesel generator shall be certified for emission standards for new nonroad compression ignition engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants, operated and maintained according to the manufacturer's written specifications/ instructions or procedures developed by the Permittee that are approved by the engine manufacturer, over the entire life of the engine. The Permittee may only change diesel generator settings that are permitted by the manufacturer.
[40 CFR 52.21 PSD/BACT, 40 CFR 60.4202(a)(2), 60.4205 subsumed, 60.4206, 60.4211(a) and 60.4211(b)(1)and 60.4211(c)]

3.3.11 Each emergency stationary diesel generator and any associated control devices shall be installed and configured according to the manufacturer's written instructions.
[40 CFR 60.4211(c)]

3.3.12 Emissions from each of the listed process units shall comply with the following pertinent BACT limits:
[40 CFR 52.21 - PSD/BACT]

Table 3.3.12-1: BACT Emission Limits for Process Units

Operation	Emission[1]	Emission Limit	Compliance Method	Averaging Time
Each calciner/kiln	Filterable PM/PM_{10}	0.010 gr./dscf	Methods 5 (Method 201/ 201A)	3 hours
	PM/PM_{10}& CPM combined	8.53 lbs./hr	Methods 5 & 202 (Method 201/201A and Method 202)	
	$PM_{2.5}$& CPM combined[1]	6.98 lbs./hr	Methods 5 & 202 (Method 201/201A and Method 202)	
Each spray dryer/pelletizer	PM/PM_{10}	0.010 gr./dscf	Methods 5 & 202 (Method 201 or 201A in conjunction with Method 202 if necessary)	3 hours
	$PM_{2.5}$	0.006 gr./dscf		
Each spray dryer/ pelletizer and calciner/kiln	Visible	10% opacity	COMS	6-minute average
Each of the emission units with baghouse control excluding spray dryers/ pelletizers and calciners/kilns	$PM/PM_{10}/PM_{2.5}$	0.005 gr./dscf	Method 5 (Method 201/201A)	3 hours
	Visible	7% opacity	Method 9	6-minute average
All fugitive sources	Fugitive	10% opacity	Method 22 and/or Method 9	Per Method 22 or Method 9
Each calciner/kiln	SO_2	No less than 90% by weight overall control	Method 6 or 6C; Daily Analysis of Clay Sulfur Content	3 hours;
		Not to exceed 11.64 lbs/hr.		Daily average

Operation	Emission[1]	Emission Limit	Compliance Method	Averaging Time
	NO_x	No less than 80% by weight overall control Not to exceed 36.3 lbs/hr.	Method 7 or 7E	3 hours
	CO	33.0 lbs/hr.	Method 10	3 hours
	VOC	0.71 lbs/hr	Method 25 or 25A	3 hours
	CO_2e	436.0 lbs/ton cooler product	Mass balance calculation based on Division-approved emission factors	12-month rolling
Each spray dryer/pelletizer	NO_x	Not to exceed 2.25 lbs/hr.	Method 7 or 7E	3 hours
	CO	Not to exceed 13.73 lbs/hr.	Method 10	3 hours
	VOC	Not to exceed 11.78 lbs/hr.	Mass balance calculation	Monthly Average
	CO_2e	44,446 tons	Mass balance calculation based on Division-approved emission factors	12-month rolling total
Each Emergency Diesel Generator	CO_2e	153 tons	Mass balance calculation based on Division-approved emission factors	12-month rolling total

[1] CPM: condensable particulate matter
[2] The Tier III NO_x, CO, PM and VOC emission standards applicable to the diesel generators have been determined as BACT. Since the generator will be purchased as certified by U.S EPA to be in compliance with these standards, the BACT standards are not listed in this table. Please refer to Table 1 of 40 CFR 89.112 for details.

a. The following applicable State rules or emission limits are subsumed by the applicable and more stringent BACT or NSPS emission limits:

- Georgia Air Quality Rule 391-3-1-.02(2)(b): *"Visible Emissions"*
- Georgia Air Quality Rule 391-3-1-.02(2)(p): *"Particulate Emission from Kaolin and Fuller's Earth Processes"*
- Georgia Rule 391-3-1-.02(2)(g): *"Sulfur Dioxide"*
- Georgia Air Quality Rule 391-3-1-.02(2)(n)2: *"Fugitive Dust"*

b. Method 201 or 201A in conjunction with Method 202 shall be used to demonstrate compliance with the PM_{10} emission limits during the performance testing. As an alternative to Method 201 or 201A, the Permittee may assume that 100% of the PM emissions from the baghouses as determined via Method 5 are PM_{10} in the emission compliance demonstration, and use Method 5 in conjunction with Method 202 to demonstrate compliance with the PM_{10} emission limits.

3.3.16 The Permittee shall operate each stationary emergency diesel generator using diesel fuel that has a maximum sulfur content of 15 parts per million (ppm) (0.0015% by weight) and either a minimum cetane index of 40 or maximum aromatic content of 35 volume percent. [40 CFR 52.21 – PSD /BACT, 40 CFR 60.4207(a) & 60.4207(b)]

3.3.17 The accumulated annual operating time for each stationary emergency diesel generator shall not exceed 500 hours per year.
[40 CFR 52.21-PSD/BACT]

NESHAP Requirements

3.3.20 The Permittee shall comply with all the applicable provisions of 40 CFR Part 63, Subpart ZZZZ, *"National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"*. In particular, the Permittee shall operate each emergency stationary diesel generator only in an emergency situation such as to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility is interrupted, or to pump water in the case of fire or flood, etc. It may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by the manufacturer, the vendor, or the insurance company associated with the diesel generator.
[40 CFR 63.6590(b)(i)]

3.3.21 The Permittee shall submit an Initial Notification for each emergency stationary diesel generator no later than 120 days after the startup of the diesel generator, following the applicable requirements under 40 CFR 63.9(b)(2)(i) through (v), and a statement that the diesel generator has no additional requirements and explain the basis of the exclusion.
[40 CFR 63.6645(d)]

PART 4.0 REQUIREMENTS FOR PERFORMANCE AND COMPLIANCE TESTING

4.2 Specific Testing Requirements

4.2.1 Within 60 days after achieving the maximum production rate at which each of the spray dryers/pelletizers (Emission Unit ID Nos. PEL1, PEL2, PEL3, and PEL4) and each of the calciners/kilns (Emission Unit ID Nos. KLN1, KLN2, KLN3, and KLN4) will be operated, but no later than 180 days of the initial startup of the sources, the Permittee shall determine compliance with the NSPS Subpart UUU PM and visible emission limits in Condition 3.3.8 under 40 CFR 60.732 as follows:
[40 CFR 60.736]

a. Method 5 or Method 17 shall be used to determine the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm (60 dscf).

b. Method 9 and the procedures in 40 CFR 60.11, including the use of COMS in lieu of Method 9 if preferred, shall be used to determine opacity from stack emissions.

4.2.5 Within 180 days after the initial startup of this facility, the Permittee shall conduct initial performance tests as specified in the Table 4.2.5-1 to demonstrate initial compliance with the BACT, MACT and SIP emissions limits using applicable test methods and/or procedures specified in Condition 4.1.1 through 4.1.5. The tests shall be conducted under the conditions that exist when the affected source(s) is operating at the representative performance conditions. In lieu of the testing required by this condition, the appropriate testing results from Conditions 4.2.1 and 4.2.2, can be used to demonstrate initial compliance with the PM and visible emission limits for the same affected sources under the pertinent PSD/BACT and State rules in Sections 3.3 and 3.4 of this permit provided that the testing methodology meet the requirement of this condition.
[391-3-1-.02(3) and 3-1-3-1-.03(2)(c)]

Table 4.2.5-1: Initial BACT & Case-By-Case MACT Performance Test for Process/Kiln Lines

Emission Unit	Emission Unit ID	Emissions & Parameters[1]
Calciner/Kiln No. 1	KLN1	Visible Emissions, CO, NO_x, particulate matter as specified, SO_2, HCl, HF and Reduction/control efficiency of NO_x, SO_2, HCl & HF
Calciner/Kiln No. 2	KLN2	
Calciner/Kiln No. 3	KLN3	
Calciner/Kiln No. 4	KLN4	
Spray Dryer/Pelletizer No. 1	PEL1	Visible Emissions, CO, NO_x and particulate matter as specified
Spray Dryer/Pelletizer No. 2	PEL2	
Spray Dryer/Pelletizer No. 3	PEL3	
Spray Dryer/Pelletizer No. 4	PEL4	
Other stack emission sources excluding spray dryers/pelletizers, calciners/kilns and silos with dedicated bin vents.	(refer to Table 3.1)	Visible Emissions & particulate matter as specified
Silos with dedicated bin vents	(refer to Table 3.1)	Visible Emissions

[1] CPM: condensable particulate matter; HCl and HF emissions should be determined in lbs/ton of kiln feed for use in Condition 6.2.17.

When starting to use a different sorbent to control NO_x, SO_2, HCl and HF emissions from calciner(s)/kiln(s) via the "catalytic baghouses" the first time, the Permittee shall conduct performance tests to determine the NO_x, SO_2, HCl, HF emission rates and control efficiencies of SO_2, HCl and HF for the sorbent within the time specified by the Division. The Permittee shall notify the Division in writing of the change 60 days in advance.
[391-3-1-.02(3) and 3-1-3-1-.03(2)(c)]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

5.2.1 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated emissions or parameters on the following equipment listed. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements and be operated in a manner sufficient to demonstrate continuous compliance with the applicable emission standards in this permit.
[40 CFR 60.734(a) and 391-3-1-.02(6)(b)1]

Emission Unit Being Monitored	Emission Unit ID	Emissions or Parameters Being Monitored	Monitoring System Being Used & Installation Location
Kiln Nos. 1-4	KLN1-4	Visible Emissions	A Continuous Opacity Monitoring System (COMS) at the outlet of the Kiln Catalytic Baghouse Nos. 1-4 (BHK1-4)
Spray Dryer/Pelletizer No. 1-4	PEL1-4	Visible Emissions	A COMS at the outlet of the Process/Kiln Line No. 1-4 Baghouse for Pelletization (BHP1-4)

The sources shall be maintained such that the 6-minute average opacity for any 6-minute period for any COMS does not exceed the visible emission limit in Conditions 3.3.8 or 3.3.12. If the average opacity for any 6-minute period exceeds any of the opacity limits in these conditions, this shall constitute a violation of the visible emission standard.

5.2.2 The Permittee shall install a device to continuously monitor the temperature at the inlets of baghouses that receive gases at a temperature higher than ambient air (BHP1, BHP2, BHP3, BHP4, BHK1, BHK2, BHK3 and BHK4), and record the time and date of each incident when the temperature exceeds the fabric filter bag design temperature. In lieu of monitoring temperature at the baghouse inlet, the Permittee may monitor a surrogate temperature (e.g., clay temperature or dryer/pelletizer outlet temperature). For each baghouse monitored by a surrogate temperature, the Permittee shall determine the equivalent fabric filter bag design temperature and record each incident when the surrogate temperature exceeds the equivalent fabric filter bag design temperature. The Permittee shall record the fabric filter bag design temperature or the equivalent filter bag design temperature for each fabric baghouse listed. Such records and any supporting calculations shall be made available for inspection.
[391-3-1-.02(6)(b)1]

5.2.6 Each stationary emergency diesel generator shall be equipped with a non-resettable hour meter to track the number of hours operated during any type of operation and during each calendar month. The Permittee shall record the time of operation and the reason the generator was in operation during that time.
[40 CFR 60.4209(c) and 60.4214(b)]

5.2.10 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record each of the indicated parameters on the following equipment in accordance with the manufacturer's recommendations. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1]

a. The exhaust gas temperature at the inlet of each of the "catalytic baghouse" systems serving calciners/kilns.

b. The ammonia injection rate to each of the "catalytic baghouse" systems serving calciners/kilns.

c. The injection rate of powdery sorbent to each of the "catalytic baghouse" systems serving calciners/kilns.

d. The slurry input rate (1-hour block average) to each spray dryer/pelletizer.

e. The kiln feed input rate (1-hour block average) to each calciner/kiln.

f. Monthly total output of cooler product for each calciner/kiln

g. Monthly fuel usage for each spray dryer/pelletizer, calciner/kiln, the 9.8 MMBtu boiler, and all emergency diesel generators combined.

PART 6.0 RECORD KEEPING, COMPLIANCE DEMONSTRATION AND REPORTING REQUIREMENTS

6.2 Specific Notification, Record Keeping, Compliance Demonstration & Report Requirements

6.2.9 The Permittee shall maintain monthly operating records of the each stationary emergency diesel generator, including operating hours and reasons of the operation, e.g., emergency power generation and/or fire distinguishing, readiness testing and/or maintenance check. These records shall be kept available for inspection or submittal for 5 years from the date of record.
[40 CFR 60.4211(e) & 40 CFR 52.21-PSD/BACT]

6.2.11 The Permittee shall keep records verifying that each shipment of diesel fuel received for firing the each stationary emergency diesel generator complies with the applicable requirements in Condition 3.3.16. Verification shall consist of the fuel oil receipts and fuel supplier certifications or results of analyses of the fuel oils conducted by methods of sampling and analysis which have been specified or approved by the EPA or the Division. These records shall be kept available for inspection or submittal for 5 years from the date of record.
[40 CFR 60.4207 and 40 CFR 52.21 – PSD/BACT]

6.2.20 The Permittee shall utilize the appropriate records in Condition 5.2.10 to calculate the CO_2e emissions from <u>each</u> spray dryer/pelletizer, calciner/kiln, 9.8 MMBtu/hr natural gas fired boiler, and <u>all</u> diesel generators combined during each period of twelve (12) consecutive months. The results of the calculated CO_2e emissions shall be expressed in the same units as the corresponding BACT limits listed in Condition 3.3.12. In the emissions calculation, the Permittee shall use GHG emission factors used in the Application supporting this permit, and keep records of the calculations and all the emission factors. The Permittee shall notify the Division in writing if any of the CO_2e emissions calculated exceed its corresponding limit specified in Condition 3.3.12. This notification shall be postmarked by the 15^{th} day of the following month and shall include an explanation of how the Permittee intends to attain or maintain compliance with the emission limit.
[391-3-1-.02(6)(b)1 and 40 CFR 52.21 - PSD/BACT]

ATTACHMENT A

List Of Standard Abbreviations

AIRS	Aerometric Information Retrieval System	PM	Particulate Matter
APCD	Air Pollution Control Device	PM_{10} (PM10)	Particulate Matter less than 10 micrometers in diameter
ASTM	American Society for Testing and Materials	PPM (ppm)	Parts per Million
BACT	Best Available Control Technology	PSD	Prevention of Significant Deterioration
BTU	British Thermal Unit	RACT	Reasonably Available Control Technology
CAAA	Clean Air Act Amendments	RMP	Risk Management Plan
CEM	Continuous Emission Monitor	SIC	Standard Industrial Classification
CERMS	Continuous Emission Rate Monitoring System	SIP	State Implementation Plan
CFR	Code of Federal Regulations	SO_2 (SO2)	Sulfur Dioxide
CMS	Continuous Monitoring System(s)	USC	United States Code
CO	Carbon Monoxide	VE	Visible Emissions
COM	Continuous Opacity Monitor	VOC	Volatile Organic Compound
dscf/dscm	Dry Standard Cubic Foot / Dry Standard Cubic Meter		
EPA	United States Environmental Protection Agency		
EPCRA	Emergency Planning and Community Right to Know Act		
gr	Grain(s)		
GPM (gpm)	Gallons per minute		
H_2O (H2O)	Water		
HAP	Hazardous Air Pollutant		
HCFC	Hydro-chloro-fluorocarbon		
MACT	Maximum Achievable Control Technology		
MMBtu	Million British Thermal Units		
MMBtu/hr	Million British Thermal Units per hour		
MVAC	Motor Vehicle Air Conditioner		
MW	Megawatt		
NESHAP	National Emission Standards for Hazardous Air Pollutants		
NO_x (NOx)	Nitrogen Oxides		
NSPS	New Source Performance Standards		
OCGA	Official Code of Georgia Annotated		

List of Permit Specific Abbreviations

None	N/A		